

# PATENT ABSTRACTS OF JAPAN

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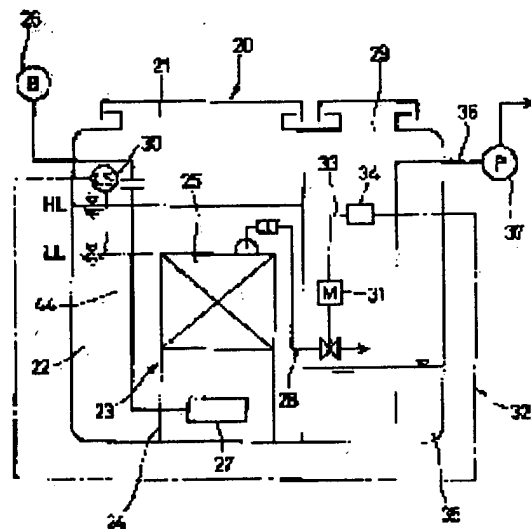
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## (54) WATER TREATMENT DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To increase filter treatment capacity in a water treatment device in which water head of liquid to be treated in a tank is used as filter driving force.

**SOLUTION:** A derivation pipe 28 of membrane permeation liquid is communicated with a takeout port for membrane permeation liquid of a filter membrane cartridge 25 and opened at the atmospheric pressure in the outside of a tank in the position lower than the filter membrane cartridge 25. A solenoid valve 31 is interposed in the derivation pipe 28. A level gage 30 for measuring the liquid level of liquid 22 to be treated is provided. A control device 36 is provided which opens and closes the solenoid valve 31 on the basis of the measured liquid level. Filtration is enabled by using water head to the position lower than the filter membrane cartridge 25 as filter driving force without exposing the cartridge 25 from liquid 22 to be treated.



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